

For household use

Vacuum Electric Water Heater/Warmer

家庭用

电热水瓶

Sử dụng trong gia đình

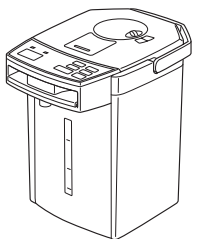
B.nh Thủy Điện



Instruction Manual

Thank you for purchasing this product. Please read all information in this manual before using the appliance.

Afterward, keep this manual in a handy location for future reference by anyone who will use this product.



使用说明书

非常感谢您购买本公司的产品。在您使用之前，请仔细阅读本说明书，并妥善保管，以便随时参阅。

Hướng dẫn sử dụng

Cảm ơn bạn đã mua sản phẩm này.

Vui lòng đọc kỹ hướng dẫn sử dụng này trước khi sử dụng. Sau khi đọc kỹ, xin vui lòng giữ lại sách hướng dẫn này để tham khảo về sau.

Table of Contents

Introduction

- 4 - IMPORTANT SAFEGUARDS
- 8 - Names of Component Parts

Heating Water

- 9 - For First Time Use & When Not Used for a Long Time
- 9 - How to Heat Water
- 11 - How to Use the Electric Water Dispenser
- 12 - How to Use the Air-Powered Water Dispenser
- 13 - How to Save Energy While Heating Water
- 14 - How to Set the Energy-Saving Timer
- 14 - How to Use the Child Lock
- 15 - How to Dispose of Hot Water (When Not Used)

Cleaning and Maintenance

- 16 - How to Clean

When a Problem Occurs

- 18 - Troubleshooting

Others

- 20 - Specifications
- 21 - Purchasing Consumables and Optional Accessories

IMPORTANT SAFEGUARDS

Read and follow all safety instructions before using the appliance.

- The WARNINGS and CAUTIONS described below are intended to protect the user and other individuals from physical and property damage. To ensure safety, please follow them carefully.
- Do not remove the caution/warning labels attached to the appliance.

Safety instructions are classified and described according to the level of harm and damage caused by improper use, as shown below.

WARNING

This symbol indicates there is a possibility of serious injury*¹ or death when the product is handled improperly.

CAUTION

This symbol indicates there is a possibility of injury*² or damage to property*³ when the product is handled improperly.

*1 Serious injury is defined here as loss of sight, physical injury, burns (high or low temperature), electric shock, broken bones, poisoning, or other injuries severe enough to involve permanent damage and require hospitalization or extended outpatient care.

*2 Injury is defined here as a physical injury, burns, or electric shock that does not require a hospital stay or extended outpatient care.

*3 Damage to property is defined here as damage that affects a building, furniture, livestock, or pets.

Description of Symbols



△ indicates a warning or caution. The specific details of the warning or caution are indicated inside the symbol or in an illustration or text near the symbol.



⊘ indicates a prohibited action. The specific details of the prohibited action are indicated inside the symbol or in an illustration or text near the symbol.

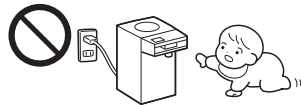


● indicates an action that must be taken or an instruction that must be followed. The specific details of the action or instruction are indicated inside the symbol or in an illustration or text near the symbol.

Extra attention must be paid when used in a household where infants or toddlers are present.

WARNING

- ⊘ Do not allow children to use the appliance by themselves and do not put within reach of infants or toddlers. Failing to do so may result in burns, electric shock, or injury.



- ! Children should be supervised to ensure that they do not play with the appliance.

- ! This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. This is to avoid burns, electric shock, or injury.

- ⊘ To avoid scalds, do not touch or allow your face to get close to the steam vent. Especially keep out of the reach of infants and toddlers.

- ⊘ Do not let infants or children lick the electric sockets or fixtures. Doing so may result in electric shock.

- ! Attach the lid tightly until a “clicking” sound is heard. If lid is not attached properly water may boil over or spill if tipped, which may cause scalds.

CAUTION

- ⊘ Do not use on an unstable surface, or on a table or rug that is vulnerable to heat. If the kettle tips over, water may spill, which may cause scalds. Fire or damage to the table or surrounding materials may result.

IMPORTANT SAFEGUARDS

WARNING



- ⊘ Do not attempt to disassemble, repair, or modify the product. Repairs should only be performed by a qualified service representative.

Doing so may result in fire, electric shock, or injury.



- ⊘ Use only rated voltage power. This is to avoid fire or electric shock.



- ! Use an electrical outlet rated 7 A or higher and do not plug in other devices at the same time.

Connecting other devices in the same outlet may cause the outlet to overheat or result in fire.



- ⊘ Do not damage or use a damaged power cord. Do not forcefully bend, twist, fold, or modify the cord. Do not place near high temperature surfaces or under/ between heavy objects.

A damaged power cord can cause fire or electric shock.



- ! Wipe the plug thoroughly in the case dust or other foreign objects are collected.

This is to avoid fire.



- ! Firmly insert the plug into the outlet to avoid electric shock, shorting, smoke, or fire.



- ⊘ Do not use the product if the power cord or plug is damaged or the plug is loose in the outlet.

This is to avoid electric shock shorting, or fire.



- ! If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.



- ⊘ Do not plug in or unplug with wet hands. This is to avoid electric shock or injury.



- ⊘ Do not exceed the max water level mark level. If spillage or overflowing occurs, it could cause scalds.

If the water is lower than the refill mark, discoloration of the container or other problems may occur.



- ⊘ Do not attach the lid forcefully. If spillage or overflowing occurs, it could cause scalds.



- ⊘ Do not place any foreign objects in the air vent. Hot water may spray out causing a burn.



- ⊘ Do not insert or boil anything other than water.

Do not pour tea, milk, alcoholic beverages, tea bags, tea leaves, bincho charcoal, or instant food into the electric water heater / warmer. Doing so may create bubbles causing the contents to overflow. This may cause scalds, corrosion, malfunction or peeling of the fluoropolymer-coated surface.



- ⊘ Do not use as an ice cooler. Cold water or ice may cause dew condensation, electric shock, or other problems.



- ⊘ Do not remove the lid while the water is boiling.



- ⊘ Do not hold the main unit close to your body, tilt or rock it, or shake vigorously. Even if the dispense lock button is “locked,” do not tilt or tip the product. This is to avoid scalds caused by spillage.



- ⊘ Do not tip over the product. Even if the dispense lock button is “locked,” do not tilt or tip the product. This is to avoid scalds caused by spillage.



- ⊘ The appliance must not be immersed. This is to avoid electric shock, shorting, or fire.



- ⊘ Do not discard remaining hot water with the lid closed, this is to avoid scalds due to hot water spillage if the lid were to come off. (Refer to P. 7, 15 on how to discard remaining water)



- ! If the lid gasket changes color or is damaged, be sure to replace it. If not replaced, water may spill if tipped over; possibly causing scalds.

IMPORTANT SAFEGUARDS

! WARNING



Stop using the appliance immediately if you incur any malfunction or trouble. Not doing so may result in fire, electric shock, or injury.

Examples of trouble:

- The power cord and/or plug become abnormally hot.
- The power goes in and out when the power cord is moved.
- When the appliance becomes abnormally hot or there is a smell of something burning.
- Water leaks from the main unit.
- There are other problems or abnormalities.

Immediately unplug the power cord from the outlet and contact your local dealer for servicing.



Be careful to avoid any spillage on the connector.



Do not touch

The heating element surface is subjected to residual heat after use. Do not touch hot surfaces while in use or after use if the appliance is still hot.

Doing so may result in burns.



Risks of injuries if you do not use this appliance correctly.



Wait until the appliance has cooled down before cleaning it.

(Read P. 16 to 17 for how to clean the appliance.)

This is to avoid burns caused by touching hot surfaces.

! CAUTION



Unplug the power cord

Unplug power cord when not in use. This is to avoid injury, scalds, electric shock, or fire caused by a short-circuit.



Be sure to firmly hold the plug when removing from an outlet; this is to avoid electric shock, shorting, or fire.



Use only the power cord which is included with this product.

Do not use the included power cord with any other appliance.



Do not use multiple outlet receptacles, this is to avoid fire.



Do not use or place in areas prone to getting wet and do not allow the bottom of the main unit to get wet.

This is to avoid shorting, electric shock, or malfunction.



Do not fill the water directly from the faucet or wet the bottom of the product.

Water may get into the product and cause shorting, electric shock, or malfunction.



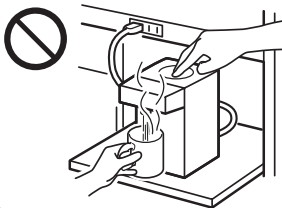
Do not place any glasses or vases containing water on top of the appliance.

This could cause the appliance to deform or deteriorate which could cause fire. Also, spilled water could cause electric shocks, fire, or malfunctions.



Do not expose the plug to steam.

Doing so may result in electric shock or fire. When using the product on a sliding table, be careful not to expose the product to steam.



Do not use near the wall or furniture.

Steam or heat may damage the walls or furniture and cause discoloration or deformation.

When using the appliance on a kitchen rack or cabinet, make sure the steam or heat is not trapped.



Do not touch

Do not come in contact with steam or condensation when opening or removing the lid, this is to avoid scalds.

IMPORTANT SAFEGUARDS

! CAUTION



Do not dispense hot water or do not move the main unit while the water is being boiled.

Hot water may splash or spill out, or steam may cause scalds.



Do not touch

Do not touch hot surfaces or the glass window during use or immediately after. This is to avoid burns.



Do not turn on the heater while dispensing hot water.

Hot water may splash or spill out, or steam may cause scalds.



When carrying the main unit, do not touch the close/open lever or the lid.

The lid may come off, and cause injuries or scalds.



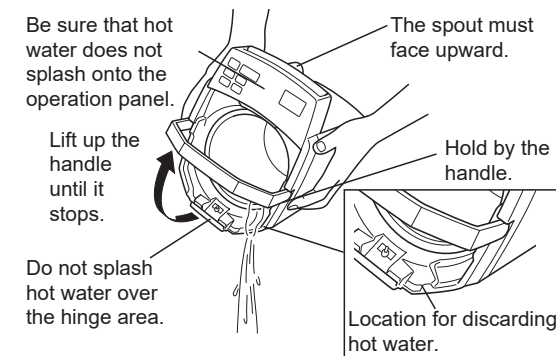
Before cleaning, be sure to remove the plug from the outlet, then remove from the appliance. When cleaning is complete, be sure to check that both ends of the power cord are dry before plugging in. Do not move the appliance when plugged in.

Doing so may result in shorting, electric shock, or fire.



When discarding remaining water, be sure to discard in the direction shown in the following illustration.

If discarded from another location, water may get inside the main unit and cause scalds or malfunction.



Do not wash the entire appliance.

Do not immerse this appliance in water or pour water on it. Doing so may cause electric shock, shorting, or fire.



Do not place the main unit upside down. This is to avoid malfunction.

Moisture or water drop leak into the unit caused a malfunction.



This appliance is intended to be used in household and similar applications such as:

- staff kitchen areas in shops, offices and other working environments;
- farm houses;
- by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments.



Position the lid so that steam is directed away from the handle.



Do not open the lid forcefully.

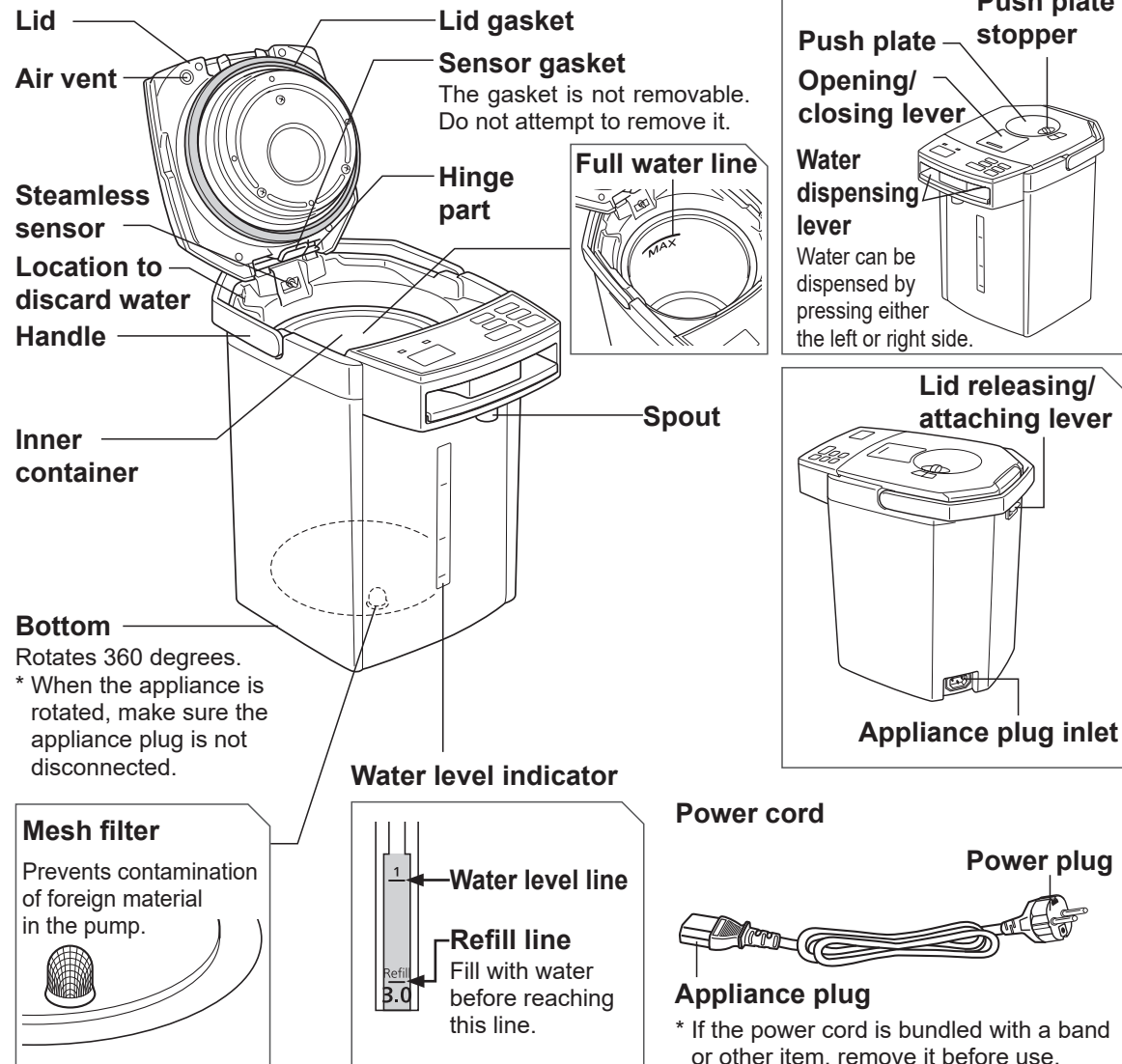
Do not apply pressure to the lid when it is open, for example, when adding water. The lid may come off and cause burns.

Following these safety instructions will allow the appliance to be used for many years.

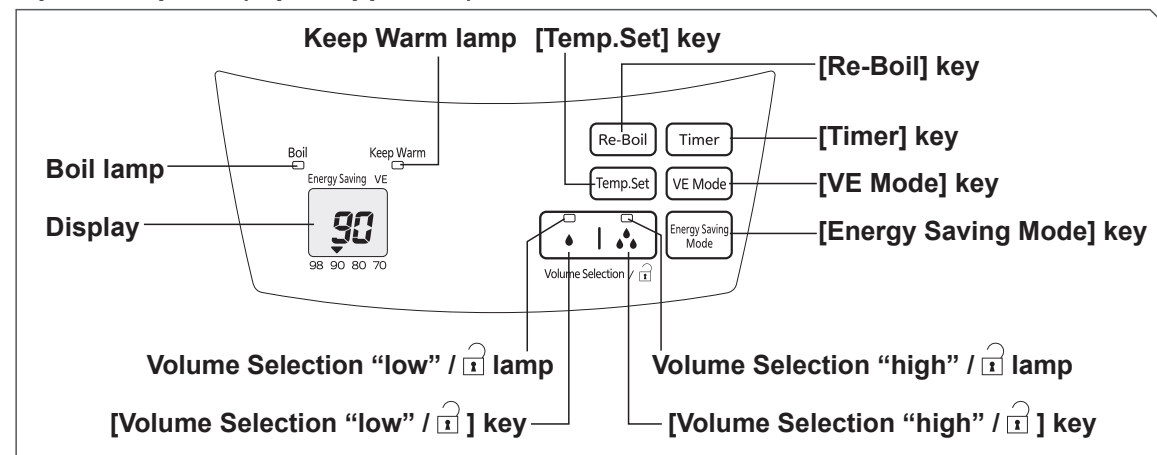
- **Do not use near an open flame.**
This is to avoid deformation or malfunction.
- **Do not use in areas exposed to direct sunlight for a prolonged period.**
The product may become hot and malfunction.
- **Do not turn on the electric water heater / warmer without water inside.**
Turning the heater on with out water may cause the inner container to discolor or malfunction.
- **Do not put charcoal such as Bincho charcoal into the container, this is to avoid malfunction or peeling of the fluoropolymer-coated surface.**
- **When unplugging the appliance and storing it for an extended period of time in a location subject to freezing temperatures, make sure there is absolutely no water in the inner container.**

Names of Component Parts

◇ Check the following immediately after opening the packaging.



Operation panel (top of appliance)



For First Time Use & When Not Used for a Long Time

To clean the inside of the appliance, heat water and then discard it with the following steps.

* A smell, such as a plastic smell, may occur when the appliance is first used. However, this smell should go away over time.

1. Pour water up to the full water line and heat it. → Below and P. 10
2. When the water is heated, use the electric water dispenser to dispense about half of it, and then discard it. → P. 11
3. Disconnect the plug, remove the lid, and discard the remaining water. → P. 15

How to Heat Water

1 Open the lid and pour in water.

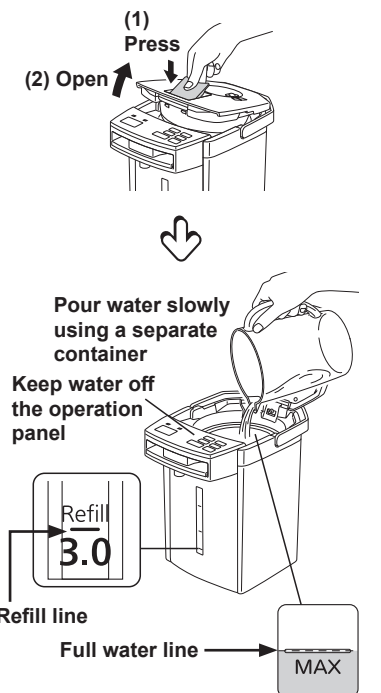
◇ Pour in water to a level between the refill line and the full water line.

Operation of the Boil-Dry Prevention Function

◇ If there is no water in the appliance, water is heated when the water level is low, or water is added quickly, the appliance will beep, the Boil lamp and the Keep Warm lamp will blink in an alternating manner, and heating will stop. → P. 20

CAUTION

- Do not add water directly from a faucet or place the bottom of the appliance in a wet location.
- Do not pour in water past the full water line or heat with water under the refill line.
- If you pour in water that is 50°C or hotter, the appliance may not heat the water automatically. Heat water by pouring in cold water or hot water that has cooled, or boil the water again. → P. 10



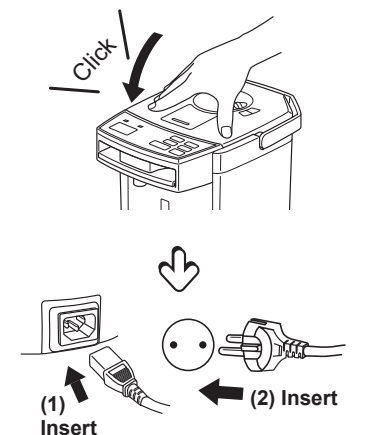
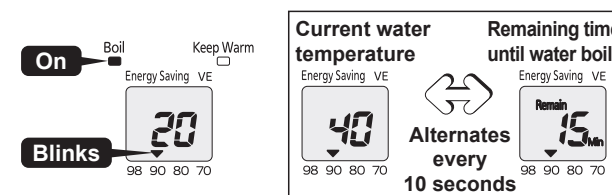
2 Close the lid and connect the plug. (Water starts being heated)

◇ Press the left and right sides of the lid and close it firmly.

Display When Heating Water

◇ The time required to begin displaying the remaining time depends on the water volume and temperature.

◇ The water temperature is displayed in increments of 5°C. ("98" is displayed only when the temperature is approximately 98°C.)



CAUTION

- Do not open and close the lid quickly or dispense water during or immediately after heating. There is a risk of burns from spraying hot water or spewing steam.

How to Heat Water

3 Press [Temp.Set] or [VE Mode] to select the keep warm mode.

- ◇ Select from five keep warm modes. (There are 98°C, 90°C, 80°C, and 70°C keep warm modes, as well as vacuum flask keep warm mode.)
- ◇ You can also change the keep warm mode by pressing [Temp.Set] or [VE Mode] during heating and keep warm.
- ◇ If the plug is disconnected during use, 90°C keep warm mode is selected when the plug is connected again.
- ◇ When water is being boiled, steam does not escape the appliance due to the steam catcher mechanism.

When Using 98°C, 90°C, 80°C, or 70°C Keep Warm Mode

Press [Temp.Set].

- ◇ The keep warm setting changes in order each time [Temp.Set] is pressed. 98→90→80→70
- ◇ The water is automatically kept warm at the set temperature when it reaches that temperature.

Approximate Times to Boil and Reach Selected Keep Warm Temperature

Until water boils		About 29 minutes
After water boils	Until 90°C keep warm	About 2 hours 40 minutes
	Until 80°C keep warm	About 4 hours 50 minutes
	Until 70°C keep warm	About 7 hours 40 minutes

* Reference values when the water volume is full and the water temperature and room temperature are 23°C.

* The approximate time until 98°C keep warm is almost the same as the time until water boils.

When Using Vacuum Flask Keep Warm Mode

Press [VE Mode].

- ◇ The keep warm mode selection changes if [VE Mode] is pressed again.

Vacuum Flask Keep Warm Mode

- ◇ In vacuum flask keep warm mode, the heater automatically turns off after the water boils.
- ◇ When vacuum flask keep warm mode is selected, water will not be heated automatically if added. Press [Re-Boil] in step 4 below to boil the water.

Approximate Water Temperature After Boiling

- ◇ The water temperature falls with time. A low volume of water also cools faster.

After 2 hours	About 85°C
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* Reference values when the water volume is full and the water temperature and room temperature are 23°C.

* The temperature is displayed in increments of 5°C, so the display and the actual water temperature may be different.

4 To boil the water again during keep warm, press [Re-Boil] once.

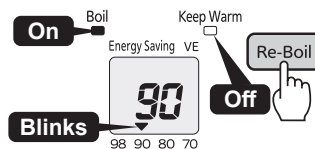
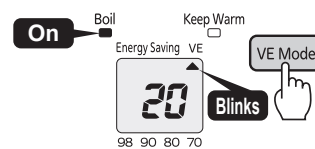
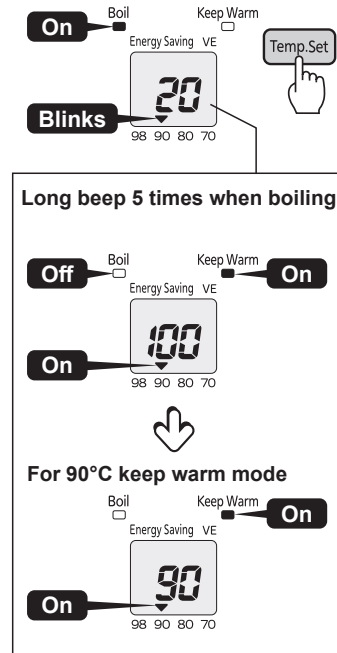
- ◇ First confirm that the water is above the refill line.
- ◇ After the water has boiled again, the water temperature falls with time. A low volume of water also cools faster.

Approximate Times Until Water Boils Again When Full

98°C and 90°C keep warm modes	About 4 to 6 minutes
80°C and 70°C keep warm modes	About 10 to 13 minutes

* These times will be longer if you add more water or reconnect the plug.

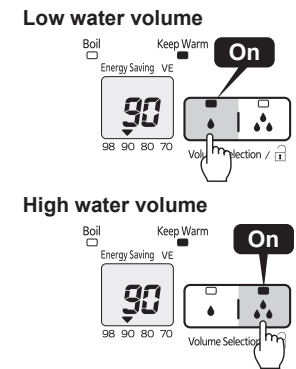
* The time until the water boils changes when using vacuum flask keep warm mode.



How to Use the Electric Water Dispenser

1 Press the right side or left side of [Volume Selection] once according to the water volume.

- ◇ For a low water volume, press the left side of [Volume Selection]. The water volume can be set to low at the same time as the water dispensing lever is unlocked.
- ◇ For a high water volume, press the right side of [Volume Selection]. The water volume can be set to high at the same time as the water dispensing lever is unlocked.



2 Hold a container under the spout and press the water dispensing lever to dispense water.

When Water Is Dispensed Poorly

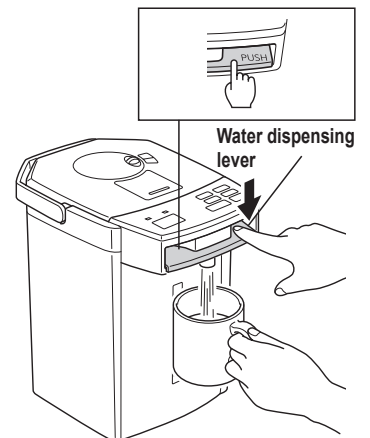
- ◇ Immediately after the water has boiled, bubbles may enter the pump and cause the water to be dispensed poorly. While being careful of the steam, open and close the lid once before dispensing water.
- ◇ Water is dispensed poorly when the inner container, mesh filter, and pump inside the appliance are dirty. Clean with citric acid. → P. 17

When the Water Level Gets Low

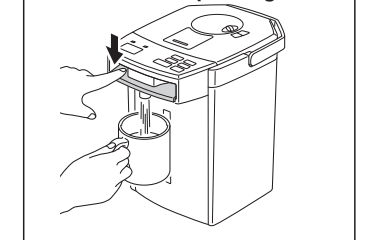
- ◇ Make sure to add water and close the lid before the water level falls to the refill line. (Be careful of steam and add water) → P. 9
- ◇ During vacuum flask keep warm mode (with the plug connected), water will not be heated if added. → P. 10

CAUTION

- Do not dispense water when the water level is lower than the refill line. This may cause hot water to spray out.
- Be careful of steam when dispensing water by pressing the middle of the water dispensing lever. There is a risk of burns.
- If you press the water dispensing lever while pressing [Volume Selection], the appliance cannot dispense water and it will beep.



Water can be dispensed by pressing the left or right side of the water dispensing lever.



3 Stop touching the water dispensing lever when finished.

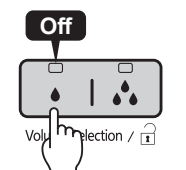
- ◇ Confirm that the water stops pouring from the spout before moving the container.

4 While the Volume Selection "high" "low"/[Lock] lamp is on, press [Volume Selection] once to lock the water dispensing lever.

- ◇ The water dispensing lever is locked by pressing either side of [Volume Selection].

Automatic Lock

- ◇ The water dispensing lever is automatically locked if it is not pressed for about 10 seconds after dispensing water. (Volume Selection "high" "low"/[Lock] lamp is off.)



Press either side

How to Use the Air-Powered Water Dispenser

- ◇ Read **P. 11** for how to use the electric water dispenser.
- ◇ The air-powered water dispenser can dispense water even when the plug is disconnected. (Cordless dispensing)

1 Set the push plate stopper to the position, hold a container under the spout, and slowly push down the push plate.

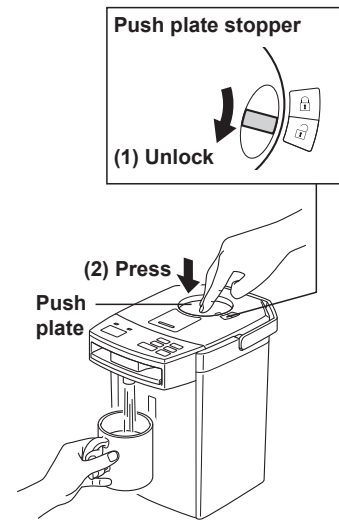
- ◇ Less water will be dispensed than with the electric water dispenser.
- ◇ The dispensed water volume also decreases when using the air-powered dispenser if the water cools or the water level decreases.

When the Water Level Gets Low

- ◇ Make sure to add water and close the lid before the water level falls to the refill line. (Be careful of steam and add water) → **P. 9**
- ◇ During vacuum flask keep warm mode (with the plug connected), water will not be heated if added. → **P. 10**

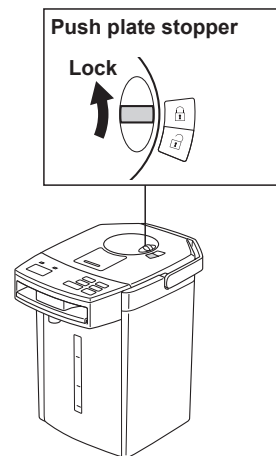
CAUTION

- Push down the push plate slowly. If you push down the push plate quickly, hot water may spray out or not come out.
- Keep the appliance from rotating when dispensing water. Hot water may spray out of the appliance if rotated when water is dispensed.
- Do not dispense water when the water level is lower than the refill line. This may cause hot water to spray out.
- Do not use the electric water dispenser and the air-powered water dispenser at the same time. There is a risk of burns or malfunction.



2 When finished, stop touching the push plate and set the push plate stopper to the position.

- ◇ Confirm that the water stops pouring from the spout before moving the container.

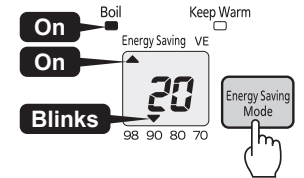


How to Save Energy While Heating Water

- ◇ Select "Energy Saving" to save energy while heating the water.
- ◇ Energy-saving water heating stops heating the water when it reaches the keep warm temperature that was set. For example, the water temperature when heating ends for 90°C keep warm mode is about 90°C. (In vacuum flask keep warm mode, the water is heated to about 98°C, and then the heater automatically turns off.)

1 Press [Energy Saving Mode] to select "Energy Saving".

- ◇ The  symbol is displayed under "Energy Saving".

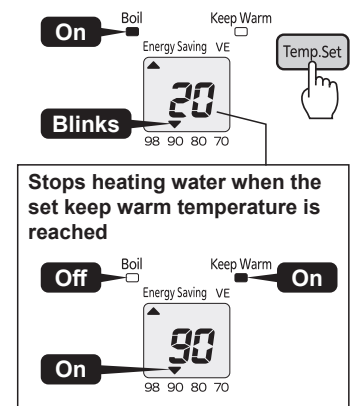


2 Press [Temp.Set] or [VE Mode] to select the keep warm mode.

When Using 98°C, 90°C, 80°C, or 70°C Keep Warm Mode

Press [Temp.Set].

- ◇ The keep warm setting changes in order  each time [Temp.Set] is pressed.
- ◇ When the keep warm temperature that was set is reached, the appliance makes a long beep 5 times and stops heating the water.
- ◇ If you set a temperature lower than the displayed temperature during water heating, "Remain 3 Min" is displayed and the appliance makes a long beep 5 times, but the water temperature may not reach the keep warm temperature that was set.
- ◇ The water temperature may also be hotter than the setting after the water is heated due the room temperature or water volume.



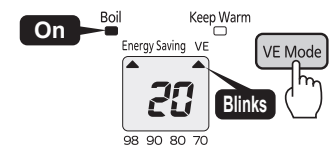
When Using Vacuum Flask Keep Warm Mode

Press [VE Mode].

- ◇ The keep warm mode selection changes if [VE Mode] is pressed again.
- ◇ When set to vacuum flask keep warm mode, the water is heated to about 98°C, and then the heater automatically turns off.

Switching the Keep Warm Setting During Keep Warm

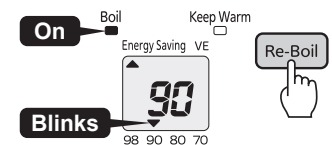
- ◇ Press [Temp.Set] or [VE Mode] to select the mode.



When Boiling the Water Again

Press [Re-Boil].

- ◇ When you press [Re-Boil], the water is heated to about 98°C.



How to Set the Energy-Saving Timer

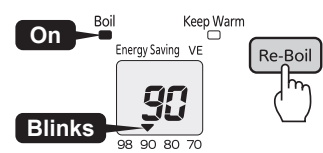
- ◇ When you set the energy-saving timer, the heater automatically turns off and the water is kept warm in the vacuum flask. Setting the timer can be convenient before sleeping or going out.
- ◇ You can set the energy-saving timer when heating the water and during keep warm.

1 Press [Timer] and set the time at which to save energy.

- ◇ With each press of [Timer], you can change the timer in 5 steps from 6 hours to 10 hours in increments of 1 hour.

When Heating Water During the Energy-Saving Timer

Press [Re-Boil]. The Boil lamp turns on and the water starts being heated. (The energy-saving timer is canceled.)



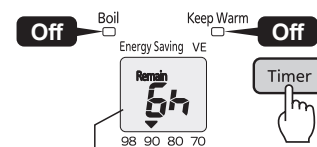
CAUTION

- Do not set the energy-saving timer when vacuum flask keep warm is set. The heater remains off and the water cools.
- The electric water dispenser cannot be used when the energy-saving timer is set.
- If the energy-saving timer was set while the water is being heated, the water may be heated until it boils.

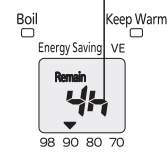
2 When the water is finished being heated, it is kept warm automatically.

- ◇ The water is kept warm at the keep warm temperature that was set.
- ◇ There are no long beeps for notification.

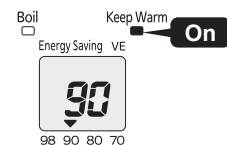
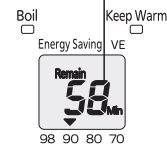
When the timer is set to 6 hours



Remaining time displayed in increments of 1 hour



1 hour before the timer ends, the water starts being heated and the time is displayed from 59 minutes in increments of 1 minute

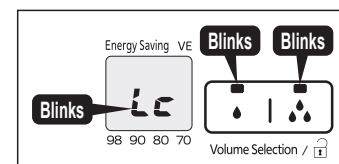
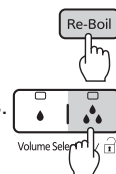


How to Use the Child Lock

- ◇ You can lock all keys to prevent accidental operation.

Press and hold  on the right side of [Volume Selection "high" / ] and [Re-Boil] at the same time for 3 seconds or longer.

- ◇ Pressing and holding these keys will lock and unlock the keys.
- ◇ If any key is pressed when the child lock is set, the appliance will beep and display what is shown to the right, and the appliance cannot be operated.
- ◇ If the plug is disconnected when the child lock is set, the child lock is canceled when the plug is connected again.



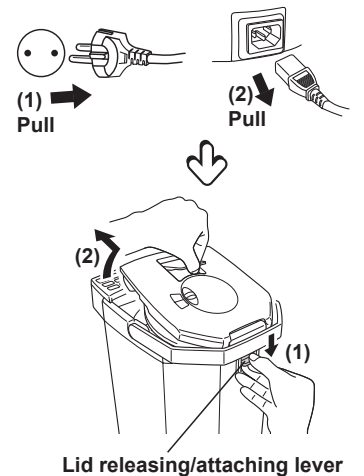
How to Dispose of Hot Water (When Not Used)

1 Disconnect the plug and remove the lid.

- ◇ While pressing down on the lid releasing/attaching lever, and open and remove the lid by pulling it to the side with the spout.

CAUTION

- Be careful of steam when removing the lid.

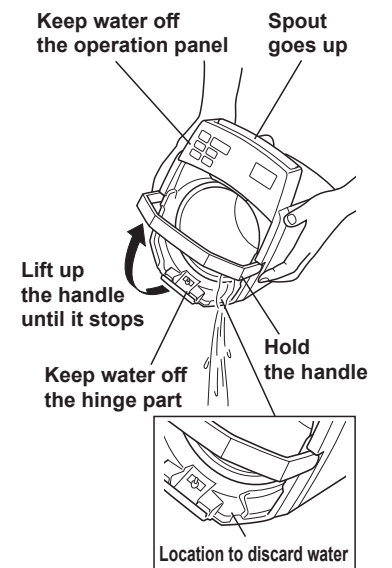


2 Discard the remaining water.

- ◇ So that hot water does not splash, get the pot as close to the location to discard the hot water as possible, and then slowly discard the water.

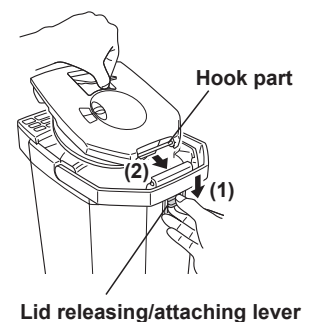
CAUTION

- Discard remaining water because it may discolor the inner container or cause smells.
- Make sure to lift up the handle until it stops.
- Always discard the water from the location to discard water. Discarding the water from a different location may cause malfunction or burns.
- Do not discard the water with the lid attached.
- If the mesh filter was not attached in a sufficient manner, use caution as it may fall out when discarding the water.
- After you discard the water, use caution as water may drip from the spout.
- Clean the appliance after use. In particular, clean the inner container and mesh filter frequently.



3 Attach the lid.

- ◇ While pressing down on the lid releasing/attaching lever, insert the hook part of the lid into the lever.



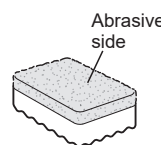
How to Clean

◇ Be sure to disconnect the plug and let the appliance to cool down before cleaning.

Items to be prepared □ Soft sponge □ Soft cloth □ Soft brush

Do not use

- Nylon or metal scrubbing sponges
- Melamine sponge (may damage the fluorocarbon resin coating of the inner container)
- The abrasive side of a sponge (do not use the abrasive side)
- Detergent □ Thinner, cleanser, bleach □ Chemically treated cloths
- Dishwasher/dryer, dryer



Parts to clean frequently

Inner container

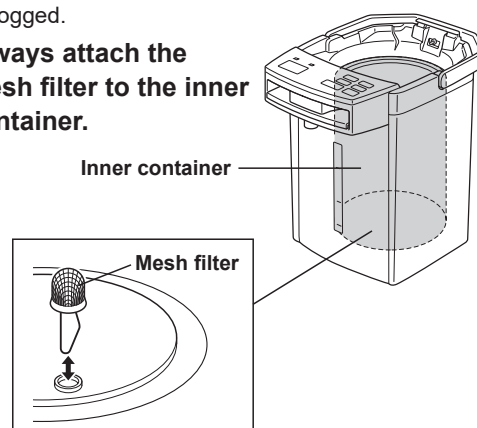
1. Remove the mesh filter.
2. Fill the inner container half full with cold or lukewarm water, wipe with the sponge, and rinse.
(Do not get the outside wet.)

Mesh filter

1. Wash with cold or lukewarm water using a soft brush.

* Water will be dispensed poorly if the mesh filter is clogged.

2. Always attach the mesh filter to the inner container.



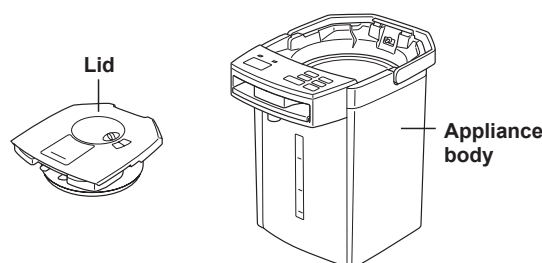
CAUTION

- Discoloration caused by the inner container boiling dry cannot be removed.
- Clean the inner container and mesh filter frequently, and if dirt or stains become noticeable, clean with citric acid. If minerals are allowed to accumulate, water may be dispensed poorly or the noise when heating water may increase.
- Clean the appliance more frequently when heating mineral water and ionized alkaline water (mineral-rich water). There is a risk of malfunction if the accumulated minerals peel off and block the hot water outlet inside the appliance or the steam intake vent.

Parts to wash when dirty

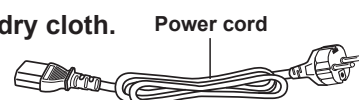
Lid/appliance body

Wipe using a firmly wrung out cloth.



Power cord

Wipe using a dry cloth.



CAUTION

- Do not immerse the lid, appliance body, or power cord in water.

When the appliance is not used for a long time

1. Clean each part with the above steps and wipe using a dry cloth.
2. Let each part to air dry. (In particular, let the inner container dry completely.)
3. Store the appliance sealed in a plastic bag to keep out insects, dust, and other foreign matter.

How to Clean

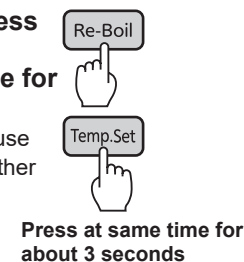
How to clean the inner container with citric acid (About once every 2 to 3 months)

◇ Minerals in the water (e.g., calcium, magnesium, and iron) may accumulate on the inner container as described below, but this mineral accumulation is not harmful. When dirt or stains become noticeable, clean with citric acid. (To purchase citric acid → **Text to the right**)

- Red, rust-like spots appear on the inner container.
- The inner container turns milky white, black, or rainbow-colored.
- A white substance is floating in the hot water.

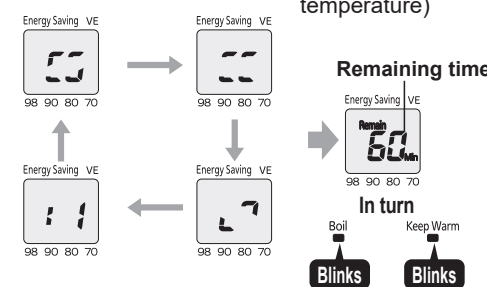
1. Confirm that the mesh filter is attached to the inner container.
2. Pour about 30 g (2 or 3 tbsp) of citric acid in the inner container.
3. Pour water up to the full water line, mix well, and close the lid. (Do not pour hot water) → P. 9
4. Connect the plug and press and hold [Temp.Set] and [Re-Boil] at the same time for 3 seconds or longer.

* During cleaning, you cannot use any operations or functions other than the water dispenser.

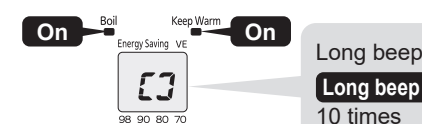


Operations During Cleaning

Approximate cleaning time: About 1 hour 30 minutes
(Depending on water temperature)



End of cleaning



5. Completely dispense the citric acid water from the spout with the electric dispenser and discard it. (The appliance will beep when using the electric water dispenser.) → P. 11
6. Remove any remaining dirt and stains with the sponge. (If difficult to remove, add citric acid and water and perform the operation again.)

7. To remove the remaining citric acid water, heat plain water as normal, dispense half the water with the electric water dispenser, and discard the remaining water. → P. 9 to 11, 15

CAUTION

- Do not open the lid during cleaning.
- To cancel citric acid cleaning in progress, disconnect the plug. When heating water normally, make sure to discard the citric acid water first.

How to clean the pump with citric acid (About once every 6 months)

◇ Clean the pump with citric acid when water is dispensed poorly or not at all.
◇ To purchase citric acid → **Text below**

1. Remove the mesh filter. → P. 16
2. Dissolve about 30 g (2 or 3 tbsp) of citric acid in 1 cup of hot water (about 200 mL), pour the mixture into the hole at the bottom of the inner container, close the lid, and let the mixture sit for about 2 hours.
3. Fill the inner container with water to about 1/3rd full, close the lid, and heat the water. (Select 90°C keep warm mode) → P. 9, 10
4. Let the mixture sit at 90°C keep warm mode for 2 to 3 hours.
5. Completely dispense the citric acid water from the spout with the electric dispenser and discard it. → P. 11
6. Disconnect the plug, let the inner container cool, and then wash it with a sponge and water.
7. To remove the remaining citric acid water, heat plain water as normal, dispense half the water with the electric water dispenser, and discard the remaining water. → P. 9 to 11, 15
8. Let the inner container cool, and then attach the mesh filter. → P. 16

To purchase citric acid

◇ Contact the place of purchase.

Product name	Cleaning Powder for Water Boilers & Warmers (Citric Acid) (Approx. 30 g × 4 packets)
Product No.	PKS

* Tiger's citric acid is used as a food additive and is harmless from the standpoint of food safety.

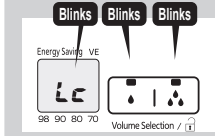
Troubleshooting

◇ Check the following before requesting repairs.

Symptom	Point to check	Action to take	Page to check
• Water does not get hot. • All lamps remain off. The display has completely disappeared.	Is the power cord disconnected?	Connect the plug.	9
• Even when filled with water, the water does not start being heated. • The Boil lamp does not turn on.	Did you pour in water hotter than about 50°C? If you pour in water that is 50°C or hotter, the appliance may not heat the water automatically.	Pour in cold water or hot water that has cooled. Or press [Re-Boil] to boil the water.	9 10
	Did you select vacuum flask keep warm mode? During vacuum flask keep warm mode, water will not be heated automatically if added.	Press [Re-Boil] to boil the water.	
• Hot water comes out of the appliance without a dispensing operation.	Is water over the full water line?	Reduce the water until it is under the full water line.	9
	Is the air vent blocked?	If blocked by a foreign object, remove it.	
• There is a gurgling noise.	A gurgling noise is the sound of bubbles popping during water heating.		
• The gurgling noise is louder than usual.	The noise becomes noticeably louder when the inner container is dirty.	Clean the inner container with citric acid.	17
• Water does not boil.	Did you select "Energy Saving"? Water heating stops at about 98°C or the set keep warm temperature because of energy-saving water heating.	Cancel "Energy Saving" and press [Re-Boil] to boil the water.	10 13
• No steam is produced.	Steam does not escape the appliance due to the steam catcher mechanism.		
• Steam escapes from around the spout.	When adding water or when cleaning, water may have gotten inside the appliance and caused a malfunction. Contact the place of purchase for repair service.		
• The inner container is dirty. • A white substance is floating in the hot water.	This is caused by minerals in the water. This is not discoloration or corrosion of the inner container itself or the fluorocarbon resin coating peeling off.	Clean the inner container with citric acid.	17
• There are stripes or waves on the plastic parts.	Such stripes and waves are produced when the resin is being molded. They do not affect the performance of the appliance.		
• The hot water has an odor.	A chlorine-like odor may remain depending on the volume of disinfectant chlorine in the tap water.	After you press [Re-Boil] and boil the water, open and close the lid while being careful of the steam.	9 10
	Did you select "Energy Saving"? Water heating stops at about 98°C or the set keep warm temperature because of energy-saving water heating.	Cancel "Energy Saving" and press [Re-Boil] to boil the water.	
	A smell, such as a plastic smell, may occur when the appliance is first used. However, this smell should go away over time.		10 13
	Are you using the appliance on top of a plastic tray or a mat, such as a vinyl sheet? The smell of the mat may transfer to the hot water.		
• The outside of the appliance body is hot.	The outside of the appliance body may become hot when keep warm continues in a hot room.		
• The water is lukewarm.	Did you select vacuum flask keep warm mode? The water temperature falls with time in vacuum flask keep warm mode.	Select a different keep warm mode. Or press [Re-Boil] to boil the water.	9 10
	When the volume of water is low and vacuum flask keep warm mode is selected, the water also cools faster.		
	The first cup of hot water is the water left in the pipe of the water volume indicator. This water may be lukewarm when dispensed.		10

Troubleshooting

Symptom	Point to check	Action to take	Page to check
• Hot water does not come out or comes out poorly with the electric water dispenser.	Is it immediately after the water has boiled?	While being careful of the steam, open and close the lid once before dispensing water.	9 11
	Do not dispense water with the appliance body tilted.	Dispense water with the appliance body sitting straight.	
	Is the plug disconnected?	Connect the plug.	9
	Is the appliance locked? (Volume Selection "high" "low"/ lamp is off.)	Press the right side or left side of  once according to the water volume, and then press the water dispensing lever.	11
	Water is dispensed poorly when the inner container, mesh filter, and internal pump are dirty.	Clean with citric acid. During the warranty period, if hot water no longer comes out due to minerals, etc., in the water, repairs will require a fee.	17
	Is the child lock set?	With  , press and hold [Volume Selection "high" / ] on the right side and [Re-Boil] at the same time for 3 seconds to cancel the child lock.	14
• Hot water does not come out or comes out poorly with the air-powered water dispenser.	Do not dispense water with the appliance body tilted.	Dispense water with the appliance body sitting straight.	
	Has the lid gasket come off?	Reattach the lid gasket correctly.	21
	Is the lid gasket damaged?	Replace the lid gasket with a new lid gasket (a fee is required).	21
	The dispensed water volume also decreases when using the air-powered dispenser if the water cools or the water level decreases.		12
• The appliance makes no sound.	After the energy-saving timer is set, the appliance does not make the end of water heating sound.		14
• When [Re-Boil] is pressed, the appliance beeps but does not boil again.	Did you press [Re-Boil] immediately after the water was boiled?	Wait a while to boil the water again.	10
• No matter what key I press, the appliance beeps, displays what is shown below, and cannot be used.	Is the child lock set?	With  , press and hold [Volume Selection "high" / ] on the right side and [Re-Boil] at the same time for 3 seconds to cancel the child lock.	14
• The display is foggy.	Was the appliance placed in a location exposed to water or where the base can get wet?	Discard the water and let the appliance sit without connecting the plug until the foggy display clears. If the foggy display does not clear, contact the place of purchase for repair service.	
	Did you place the appliance upside down?		
	When adding water, did you get water on the operation panel?		



Troubleshooting

Symptom	Point to check	Action to take	Page to check
• The boil-dry prevention function activates, the appliance beeps, and the Boil lamp and the Keep Warm lamp blink in an alternating manner as shown below.	Was water heated when the appliance was empty or the water level was low?	Disconnect the plug, pour water to the refill line or higher, close the lid, wait briefly, and then reconnect the plug.	9
	Was the appliance left without water for a long time or was the lid left open?	Disconnect the plug, pour water to the refill line or higher, close the lid, wait briefly, and then reconnect the plug.	9
	When water was added, was it added quickly?	Disconnect the plug, wait a while, and then reconnect the plug.	9
• The appliance beeps, and the Boil lamp and the Keep Warm lamp blink in an alternating manner as shown below.	When adding water or when cleaning, water may have gotten inside the appliance and caused a malfunction. Contact the place of purchase for repair service.		

Specifications

Capacity	3.0 L	
Power source	220 V ~ 50-60 Hz	
Power consumption	Electric power for boiling water	682 W
	Electric power for the warmer	65 W
Exterior size (approximate) (with the handle pushed down)*1	Width	21.8 cm
	Depth	30.8 cm
	Height	31.9 cm
Weight (approximate) (including power cord)*1	3.6 kg	

* Specified functions cannot be guaranteed in some areas (high altitude, extremely cold regions, etc.) Avoid using the unit in such locations.
*1 Indicates an approximate value.

Purchasing Consumables and Optional Accessories

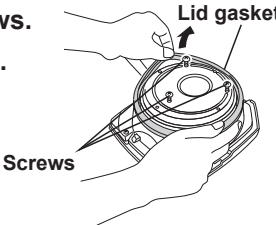
Contact customer service.

- ◆ **Gaskets (Consumer replaceable parts)**
We recommend replacing the gasket annually or following these cases:
 - Color changed to white.
 - Any deterioration, spots become bigger.
 - Steam coming out from gaps on the side.

- ◆ **Resin parts**
Resin parts may deteriorate over time due to contacting heat and steam. Replacement lid is purchase separately.
- ◆ **Mesh filter (consumer replaceable parts)**
Attach mesh filter when cleaning the unit with citric acid.
If mineral deposit is not removed, please purchase new one.

How to remove lid gasket

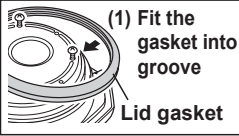
1. Unfasten the screws.
2. Remove lid gasket.

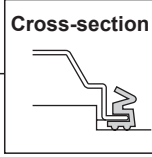


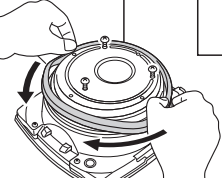
How to attach lid gasket

1. Insert the lid gasket on to inner cover in proper position.

Lid gasket orientation

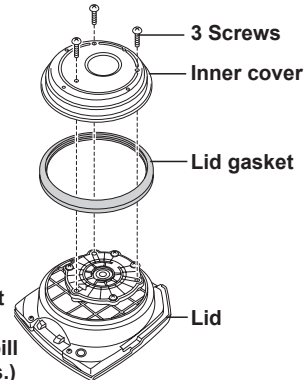



2. Attach 3 screws securely.



CAUTION

- Do not remove inner cover from lid. Improper setting can cause steam leakage and hot water will not dispense. If inner cover comes off, reattach the parts as shown below.



Be sure to set in the direction shown in this illustration. (If set improperly, hot water may spill and cause scalds.)

Replacing parts for the lid should only be done by a qualified technician. Please contact your local distributor or Tiger directly.